



# SUNGUIDE<sup>®</sup> ITS PROGRAM

## District Progress Reports

Following is a compilation of quarterly progress reports by the Florida Department of Transportation Districts and Florida's Turnpike Enterprise.

### District One

#### ***Advanced Traffic Management Systems***

##### **Lee County Advanced Transportation Management System, Phase I, Design-Build Construction (412636 2 52 01)**

This is a design-build project to complete the design and construct an upgrade to the existing signal system in Lee County, City of Fort Myers, City of North Fort Myers, and City of Bonita Springs. This advanced transportation management system (ATMS) upgrade will include new controllers and cabinets at 60 intersections, an updated communications plant, and video monitoring at 36 locations. This project will also deploy new vehicle detection stations for monitoring traffic flow throughout the traffic management system. The Lee County ATMS project will include construction of a video wall at the Lee County Traffic Operations Center. A design-build contractor was selected in May 2012. Notice to Proceed (NTP) was issued on August 27, 2012. The project was final accepted on June 8, 2015.

Approx. Completion: April 2015

Contact: Mark Roberts (863) 519-2591

##### **Lee County Advanced Transportation Management System (ATMS) Phase 2, Design-Build Criteria Package Development (412636 3 32 01)**

This project will complete a Design-Build Requirements Package to secure a design-build team, which will complete the design and construct the second phase of the existing Lee County ATMS.

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Florida Department of Transportation  
Traffic Engineering and Operations Office  
ITS Program  
605 Suwannee Street, MS 90  
Tallahassee, Florida 32399-0450  
(850) 410-5600  
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The ATMS Phase 2 project will include new controllers and cabinets at approximately 130 intersections, an updated communications plant, vehicle detection stations for monitoring traffic flow, and video monitoring at selected locations. The project is scheduled to be advertised for construction in September 2016.

Approx. Completion: April 2017

Contact: Mark Roberts (863) 519-2591

### **Bartow Adaptive Design, Build, Operate, and Maintain Construction (436795 1 52 01)**

This is a design, build, operate, and maintain project for a test deployment of a traffic adaptive system along US 98/SR 60 in the City of Bartow. The traffic adaptive devices will be deployed at five signalized intersections. There are 11 existing Bluetooth devices that will be used to monitor the performance of the adaptive system. This will be a three year contract in which the contractor will be required to assume full operations and maintenance responsibilities at the five signalized intersections as well as the proposed adaptive and existing Bluetooth devices. District One's transportation systems management and operations (TSM&O) consultant has completed the development of the design criteria package. This project was advertised for construction twice without receiving any bids. At this time we are proceeding with purchasing the equipment in-house, having it installed, and utilizing Polk County for maintenance of the system.

Contact: Katherine Chinault (863) 519-2726

### **Freeway Management Systems**

#### **I-4 Fog/Visibility Detection System Project, ITS Design-Build Requirements Package Development (427315 1 32 01)**

This project includes development of the design-build criteria package that will be used to secure a design-build team, which will complete the design and construct a fog/

visibility detection system along I-4 in Polk County from the eastern leg of the Polk Parkway to the Osceola County line. The fog/visibility detection field elements will be integrated into District Seven's Tampa Bay SunGuide Center. This project was advertised on February 17, 2014, and a consultant has been selected. The Kick-off meeting was held on September 11, 2014. Currently, this project is developing the Request for Proposal (RFP) documents. The planned advertisement is expected on September 14, 2015.

Approx. Completion: March 2016

Contact: Katherine Chinault (863) 519-2726

### **Districtwide RTMC ITS Operations Contract (417733 1 82 95)**

This project provides funding for the operation costs for the District One Regional Transportation Management Center (RTMC) and the new Sarasota/Manatee Satellite TMC. The contract was executed in October 2012. Management staff came on board for a transition period on November 1, 2012. Operations commenced 24-hours/7-days per week coverage at the SWIFT SunGuide Center on December 29, 2012. Operations began 16-hours/5-days per week coverage at the Satellite TMC on November 24, 2014.

Approx. Completion: October 31, 2017

Contact: Katherine Chinault (863) 519-2726

### **Districtwide ITS Maintenance and Fiber Locates Contract (419713 1 72 01, 419713 2 72 01, 419714 1 32 01 and 419714 2 32 01)**

This project provides funding for the maintenance and locate costs for the District One ITS field device systems and associated utilities. The contract was executed in January 2008. Maintenance services commenced on January 20, 2010. This contract was renewed for another five-year term on February 11, 2013.

Approx. Completion: May 31, 2018

Contact: Katherine Chinault (863) 519-2726



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### ***Incident Management***

#### **Districtwide Road Rangers Service Patrol Contract (427503-1-72-01)**

This is a service contract for Road Ranger Service Patrols on Interstate roadways in District One and the Sunshine Skyway Bridge. The RFP Bid Package was executed in October 2012, with a start work date of January 1, 2013. Road Ranger Service Patrols currently operate 7 days each week based on customized schedules designed to optimize the services and benefits to the public based on project funding. The vendor is currently searching for sponsorship opportunities.

Approx. Completion: December 31, 2017.

Contact: Bill Fuller (239) 225-1915

#### **Rapid Incident Scene Clearance (RISC) (424192 1 82 03) (424192 1 82 04)**

This open Invitation to Negotiate contract will secure multiple qualified wrecker service vendors for meeting minimum response times and minimum equipment standards in order to rapidly clear the interstate roadway of crash vehicles and debris. Once all terms and conditions of the contract are met, FDOT will provide bonus incentive dollars to the contractor based on performance. Furthermore, unwarranted delays that exceed FDOT's contract expectations result in financial penalties assessed against the contractor. Currently, one vendor is under contract.

Approx. Completion: Ongoing

Contact: Bill Fuller (239) 225-1915

### ***ITS Planning and Project Development***

#### **Districtwide Intelligent Transportation Systems General Consultant Traffic Operations (417470 1 32 03)**

This ITS General Consultant Project provides District One with a broad-range of general consultant support on an as-needed basis. The current contract was executed in April 2013.

Approx. Completion: March 2018

Contact: Katherine Chinault (863) 519-2726

#### **Districtwide Transportation Systems Management and Operations (TSM&O) General Consultant Contract (429512 1 32 01)**

This TSM&O General Consultant Project provides District One with a broad-range of engineering, planning, and technical services needed to establish and support the TSM&O Program within District One. The contract was executed in October 2011, and is scheduled for a five-year term.

Approx. Completion: October 2016

Contact: Mark Roberts (863) 519-2591

## District Two

### ***Freeway Management Systems***

#### **Freeway Management System (427475-1)**

This project involves the installation of ITS devices on I-95 from the Georgia state line to the Duval County line. The project will incorporate closed-circuit television (CCTV) cameras, dynamic message signs (DMS), vehicle detectors, fiber optic communications, an entirely new network, and wireless communications technology. FDOT will be seeking an ITS design firm, ITS contractor, and CCEI support. This is a design/bid/build type project with low-bid procurement for contractor services.

Design Contract Advertisement: January 2016

CCEI Contract Advertisement: January 2017

Construction Advertisement: March 2017

Construction Let Date: May 2017

Contact: Peter Vega (904) 360-5463

#### **Freeway Management System (427474-1 and 427474-2)**

This project involves the installation of ITS devices on I-75 from SR 121 to the Georgia state line. The projects will incorporate CCTV cameras, DMSs, vehicle detectors, fiber optic



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communications, an entirely new network, and wireless communications technology. FDOT will be seeking an ITS design firm, ITS contractor, and CCEI support. This is a design/bid/build type project with low-bid procurement for contractor services.

Design Contract Advertisement: January 2014

CCEI Contract Advertisement: January 2015

Construction Advertisement (Fiber Network):  
March 2015

Construction Let Date: May 2015

Construction Advertisement (Device  
Deployment): March 2016

Construction Let Date: May 2016

Contact: Peter Vega (904) 360-5463

### **Freeway Management System (213272-8 and 213272-9)**

This project involves the installation of ITS devices on I-10 from the I-95 interchange to US 90 in Leon County. The projects will incorporate CCTV cameras, DMSs, vehicle detectors, fiber optic communications, an entirely new network, and wireless communications technology. FDOT will be seeking an ITS design firm, ITS contractor, and CCEI support. This is a design/bid/build type project with low-bid procurement for contractor services.

Design Contract Advertisement: January 2015

CCEI Contract Advertisement: January 2016

Construction Advertisement (Fiber Network):  
March 2016

Construction Let Date: May 2016

Construction Advertisement (Device  
Deployment): March 2017

Construction Let Date: May 2017

Contact: Peter Vega (904) 360-5463

## District Three

### **Advanced Traffic Management Systems**

#### **Bay County ITS Integration Project/Phase III of the Bay County Advanced Traffic Management System (ATMS) (408412-5)**

FDOT District 3 and Central Office, and Bay County have recently partnered on a pilot/research project for adaptive signal control. This project involves deployment of a state-of-the-art adaptive traffic signal system technology along SR 30A/US 98 (Front Beach Road) and SR 368 (23<sup>rd</sup> Street) in Bay County. Deployment and evaluation of the latest generation adaptive technology will result in improved progressive coordinated traffic flow along the corridors for local motorists and serve as a basis for future deployments of this type throughout the state. The adaptive signal system technology is designed to effect continual incremental modifications to signal system timings in real-time response to actual vehicular demand.

The benefits of deploying this technology are anticipated to be improved operation of the overall corridor, maximization of the existing roadway capacity, a reduction in travel time along the corridor, reduction of stops and delays, reduction in crashes, reduction in fuel usage, reduction in emissions, and reduction in wasted time of motorists.

Installation of adaptive signal control equipment is complete on Back Beach Road. Full adaptive signal control began running on Back Beach Road on 1/5/15. Initial travel time evaluations completed by Bay County are showing decreases of roughly 6 percent in averaged 24-hour measurements for the whole corridor. When extrapolated to the total number of vehicles traveling the corridor, the initial data collected show some significant savings in travel time. The University of Florida



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has completed the “before” and “after” data for Back Beach Road and is currently working on the analysis and report of their findings.

Installation of adaptive signal control equipment is complete on 23<sup>rd</sup> Street. The adaptive system is running in “detector-only mode” to calibrate system settings. Activation of the full adaptive signal control on 23<sup>rd</sup> Street began the week of April 7<sup>th</sup>. The University of Florida study is ongoing.

Contact: Cliff Johnson (850) 330-1694

### ***Freeway Management Systems***

#### **I-10 / I-110 Freeway Management System for Escambia & Santa Rosa Counties and Regional Transportation Management Center (414706-1)**

In 2008, FDOT executed a contract with TransCore ITS, LLC, to establish a regional transportation management center (RTMC) and freeway management system (FMS) to manage traffic on I-10 and I-110 in the Pensacola metropolitan area. The duration of the contract is for ten years with a renewal option for one additional term, not to exceed ten years. The scope of work included preparing deployment plans and specifications, system hardware and software procurement, hardware compatibility testing, system communications testing, coordinating system deployment, performing system integration, providing system documentation and training, performing system evaluation, data management, and providing on-going operation and maintenance in support of a comprehensive FMS. This FMS was deployed along approximately 32 miles of I-10 beginning at the Florida/Alabama state line and ending in Santa Rosa County approximately one mile east of the I-10 and SR 87 interchange. The FMS also includes all of I-110. In addition, TransCore ITS deployed a Road Ranger service patrol program along the aforementioned interstate limits. FDOT executed a Supplemental

Agreement to extend the Road Ranger service to 24/7 coverage for 12 additional months began in March 2013, and also executed a Supplemental Agreement in September 2013 to extend the Road Ranger 24/7 coverage through June 2018.

TransCore ITS has been in the operations and maintenance phase of the initial ten-year contract since June 2008, which will continue through June 2018, at which time a second ten-year term will be available for negotiation. The center’s video wall display system is comprised of six 67-inch modules arranged in a three wide by two high configuration flanked by two 46-inch LCD flat panel monitors on either side. There are currently three operator monitoring stations, two for operators and one for the shift supervisor, with room to expand up to five operators. Operators at the center view 41 closed-circuit television (CCTV) cameras on a rotating basis to monitor the I-10 and I-110 corridors in Escambia and Santa Rosa Counties. The FMS includes 12 dynamic message signs (DMS), three located on I-110 and nine positioned along I-10 as well as 88 microwave vehicle detectors and one roadway weather information system. TransCore ITS also provided a wireless expansion of the communications system to include a camera at each end of the Pensacola Bay Bridge.

TransCore ITS and FDOT have partnered on a couple of supplemental initiatives to enhance the FMS and provide for future expansion of the ATMS in Pensacola. TransCore has developed a public web portal on the Florida 511 system. The web site has been operational since June 2013. TransCore added communications infrastructure, CCTV cameras, and ATMS software as part of a proof-of-concept to manage ten signals along SR 291 (Davis Hwy), a major arterial connection to I-10 and I-110 carrying between 24,000 and 60,000 vehicles per day. FDOT has asked TransCore ITS to





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include communications support services from the existing RTMC to improve communications with the Florida Highway Patrol (FHP). TransCore ITS will staff the RTMC such that FDOT can offer FHP a single point of contact for incident notification. FHP will be able to call one number at the RTMC and the request for assistance will be dispatched to the appropriate FDOT Field Office or Asset Maintenance Contractor. This service will assist FHP and FDOT District Three by providing a means of meeting common goals for quick and clear communications to facilitate quick and safe clearance of state roads.

District Three was recently able to utilize the infrastructure installed as part of the Active Arterial Management Proof-of-Concept as part of the recovery from severe flooding in May 2014. The ten signals along SR 291 (Davis Hwy) were included in a major detour route while several breaches along US 90 (Scenic Hwy) were being repaired. District Three executed an emergency contract with TransCore to actively manage this corridor while an additional 20,000 vehicles per day were diverted from US 90 to SR 291 for an extended period of time. TransCore was able to install a traffic signal timing “flush plan” and actively manage the corridor. The repair was completed earlier in the summer of 2014 and the final report of their efforts was submitted in August 2014. The District office worked closely with TransCore, Escambia County, and the City of Pensacola on this effort and received much positive feedback from the public.

Contact: Lee Smith (850) 330-1504

### **I-10 Freeway Management System for Tallahassee Area and Regional Transportation Management Center (414716-1, 414718-1 and 414720-1)**

FDOT and the City of Tallahassee established a Joint Participation Agreement in June 2008 to commit over \$8.0 million toward the cost of establishing a

RTMC within the Public Safety Complex, and approximately \$8.0 million toward the cost of the FMS deployment along I-10. Under this agreement, the City agreed to administer the design, establishment, operation, and maintenance of the Tallahassee Interstate 10 FMS and the RTMC.

In addition to transportation management aspects of the Public Safety Complex facility, a number of key safety-related agencies have now been collocated, including the Public Safety Emergency Communications Center, which provides dispatch services for the Leon County Sheriff's Office and Tallahassee Police Department; Leon County Emergency Medical Services; Tallahassee Fire Department Administration; and the Leon County Emergency Operations Center.

This agreement contributed funding from FDOT's *Ten-Year Intelligent Transportation Systems (ITS) Cost Feasible Plan* towards the Public Safety Complex project in order to create an integrated, interoperable ITS deployment for the I-10 corridor. It was also recognized by the two parties to the agreement that a mutually beneficial scenario would be attained by collocating the regional control function of FDOT's FMS for the interstate highway with the City of Tallahassee's ATMS for traffic signals for local roadways.

The I-10 FMS is deployed along an 18-mile segment of I-10 (from approximately mile marker 192 to mile marker 210) and extends into adjacent Gadsden County to provide coverage of the US 90 interchange west of the Tallahassee metropolitan area. The deployment includes traffic monitoring cameras at approximate one-mile increments, traffic incident detection stations at approximate ½ mile increments, DMSs strategically located near approaching interchanges, and a fiber optic communications cable backbone throughout the limits of the project. This system provides an overall integrated network between the RTMC, major local roadways, and I-10, resulting in more efficient monitoring of travel conditions and increased safety on area roads for motorists in the Tallahassee area.

Construction of the RTMC and FMS was final accepted in May 2014 and began an interim operation while a Joint Participation Agreement



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(JPA) Amendment is completed for full operations and maintenance of the system. The amended JPA, executed in June 2015, includes performance measures for both operations and maintenance of the RTMC and FMS. This is rather unique for an agreement between FDOT and a local government; it speaks very highly of the strong partnership between FDOT and the City of Tallahassee.

### **Tallahassee Road Ranger Service Patrol (RRSP) Contract (414606-1)**

This contract provides RRSP for a 30-mile segment of I-10 in Tallahassee and will operate 16-hours per day, 5-days per week. The City of Tallahassee will administer the contract and dispatch the RRSP from the Tallahassee RTMC under their JPA with FDOT. The contract was executed in May 2015 and the service begins on August 3, 2015.

Contact: Lee Smith (850) 330-1504

### **I-10 Rural ITS Deployment from East of SR 87 to West of US 90 (428403-1)**

In June 2013, FDOT awarded a Design-Build contract to World Fiber Technologies for a rural ITS deployment along I-10 between Pensacola and Tallahassee. This ITS deployment will connect all FMS and ATMS deployments in the District as well as establish a RTMC at District Headquarters in Chipley. This equates to approximately 230 miles of fiber optic communications infrastructure. The project will deploy 183 CCTV cameras (for nearly complete video coverage of the I-10 corridor), 135 microwave vehicle detection sensors, 40 Bluetooth detectors, three road weather information systems, and 19 DMSs. This level of ITS device instrumentation will dramatically improve traffic incident response on the I-10 corridor. In addition, the connection of all FMS and ATMS deployments in District Three will offer opportunities for interoperability, redundancy, and emergency management functionality. Design of the project telecommunications infrastructure component (fiber optic conduit layout) is complete and

installation of the fiber optic conduit is complete. Final design of the FMS field devices is complete and installation of the devices is 98 percent complete. Design of the RTMC is complete and construction is 95 percent complete. Subsystem testing will begin in August 2015.

Approx. Completion: Expected in December 2015.

### **Maintenance Contract for the I-10 Rural ITS Deployment from East of SR 87 to West of US 90 (414716-1)**

In May 2015, FDOT awarded a five-year contract to TransCore to provide routine preventative maintenance (RPM), responsive maintenance, and diagnostic and replacement services for the above referenced location. TransCore will provide these services for ITS communications infrastructure and field devices, RTMC ITS network, ITS communications network, and operator SunGuide® work station's hardware and software (hereafter referred to as system). This scope outlines the maintenance services required for the system. The contractor will maintain all components of the system and manage all facets of warranties, maintenance agreements, and configuration identification that are necessary to support the System. This Contract includes services for the System currently being deployed, configured, integrated and tested as well as any new installations throughout the term of the Contract.

### **Operations Contract for the I-10 Rural ITS Deployment from East of SR 87 to West of US 90 (428403-2)**

In March 2015, FDOT advertised the Operations Contract for the above referenced location. The purpose of this contract is to provide full traffic management of ITS in the operations and monitoring of the District Three RTMC in Chipley, Florida (hereinafter, referred to as "Chipley RTMC").



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The hours of operations shall be 24-hours a day, 7-days a week, 365-days a year, unless otherwise directed. The vendor shall provide the staff necessary to manage and operate the Chipley RTMC. The vendor shall also provide necessary training and supervision of the Chipley RTMC operations staff. This shall include the operators and support staff. The Chipley RTMC information technology (IT) staff and IT network manager shall be provided by District Three using the maintenance vendor. Presently, the contract is in the negotiation stages.

Contact: Lee Smith (850) 330-1504

### **Road Ranger Contract for the I-10 Rural ITS Deployment from East of SR 87 to West of US 90 (432610-1)**

This contract was advertised in June 2015, and will provide RRSP for the above referenced location and will operate 12-hours per day, 5-days per week. RRSP services will support and promote the "Open Roads Policy" and provide highway assistance for incidents and services to motorists stranded with disabled vehicles.

RRSP services shall also include assisting the Traffic Incident Management (TIM) Program and the Chipley RTMC to reduce traffic congestion and delays caused by vehicle crashes, disabled vehicles, and non-hazardous material spills.

Contact: Lee Smith (850) 330-1504

### ***Incident Management***

#### **Rural Rapid Incident Scene Clearance (RISC) (424194-1)**

The first RISC contract in the District was executed in September 2014, to cover Jackson, Washington, and Holmes Counties along I-10. We have had success in educating our partners with FHP regarding the use of the RISC contract. We have seen improvement in scene clearance

with the use of proper equipment to clear challenging traffic incidents. We hope to negotiate future contracts for other parts of the District by using an approach to evaluate the required equipment and response times.

#### **Incident Management Initiatives:**

1. Bay County By Pass Route Project – Recent weather events that caused closure of several bridges on arterial roadways has led to the creation of a plan for traffic incident management stakeholders to use for pre-determined actions to select, deploy, and manage detour routes.
2. Work Zone Traffic Management – We are exploring many options for monitoring work zones and creating performance-based contracts for incident scene clearance for projects on major corridors.

## District Four

### ***Advanced Traffic Management Systems***

#### **ATMS on US-1 and 17<sup>th</sup> Street in Ft. Lauderdale Florida (436414-1-52-01)**

This project is for the temporary installation of data collection devices and traffic monitoring cameras along congested arterials in Ft. Lauderdale, Florida. This project is a pilot approach for advanced traffic management systems (ATMS) installation since the ATMS equipment will not be owned or maintained by District 4.

Contract Execution: Fall 2015

Contact: Melissa Ackert (954) 777-4156

#### **ATMS for Three Corridors – SR-817, SR-818, SR-7 (431590-1-52-01)**

This project includes designing, furnishing, and installing ATMS field elements including, a closed-circuit television (CCTV) camera system, an arterial dynamic message sign (DMS), arterial





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travel time system (ATTS), a microwave vehicle detection system (MVDS), and a fiber optic communications network along University Drive (SR-817) from Miramar Parkway to Broward Boulevard, Griffin Road (SR-818) from University Drive to SR-7, and SR-7 from south of Stirling Road to Broward Boulevard. The project also includes integration of the ATMS field devices into the regional transportation management center (TMC). Once complete the ATMS will be used by the regional TMC operators to coordinate with emergency responders on incidents, make real-time, performance-based decisions on signal timing with the county, and disseminate traveler information in order to reduce travel time and incident response time.

Approx. Completion: Fall 2016

Contact: Beth Coe (954) 777-4373

### **ATMS Along SR-80/Southern Blvd (431591-1-52-01)**

The arterial DMSs and data collection project along SR-80/Southern Boulevard from Royal Palm Beach Boulevard to Dixie Highway in Palm Beach County, includes designing, furnishing, and installing the following ATMS field elements and systems: arterial DMS, ATTS, and MVDS. This project includes integration of the ATMS field devices into the Palm Beach SMART SunGuide® TMC. Once complete, the ATMS will be used by the TMC operators to coordinate with emergency responders on incidents, make real-time, performance-based decisions on signal timing, and disseminate traveler information in order to reduce travel time and incident response time.

Approx. Completion: Fall 2016

Contact: Beth Coe (954) 777-4373

### **ATCS along Northlake Blvd (432883-1-52-01)**

The adaptive traffic control system (ATCS) project on Northlake Boulevard includes design, procurement, and installation of an ATCS in Palm Beach County from east of Military Trail to

Federal Highway. The project includes designing, furnishing, installing, integrating, and testing the ATCS hardware/software needed at each signal controller and at the Palm Beach SMART SunGuide TMC as well as enhancements to the vehicle detection to support the new ATCS. Once complete, it must be able to adjust to fluctuations in traffic demand and coordinate information with adjacent signals in real-time along the corridor to optimize progression and reduce recovery time.

Approx. Completion: Fall 2016

Contact: Beth Coe (954) 777-4373

### **Arterial DMS on Blue Heron Blvd and 45th Street (433301-1-52-01)**

The arterial DMS project on Blue Heron Boulevard (east/west approaches to I-95) and 45th Street (east/west approaches to I-95) includes design, procurement, and installation of four arterial DMSs in Palm Beach County. The project also includes the integration of the arterial DMS field devices into the regional TMC. Once complete, the arterial DMS devices will be used to disseminate traveler information in order to reduce travel time and incident response time.

Approx. Completion: Fall 2016

Contact: Beth Coe (954) 777-4373

### **ATCS Along Okeechobee Blvd (433947-1-52-01)**

The ATCS project in Palm Beach County includes design, procurement, and installation of an ATCS in Palm Beach County along Okeechobee Boulevard from Tamarind Avenue to Flagler Drive. This project includes designing, furnishing, installing, integrating, and testing the ATCS hardware/software needed at each signal controller and at the Palm Beach SMART SunGuide TMC as well as enhancements to the vehicle detection to support the new ATCS. Once complete, it must be able to adjust in real-time to fluctuations in traffic demand and coordinate such information with adjacent



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signals in the corridor to optimize progression and reduce recovery time.

Approx. Completion: Fall 2016

Contact: Vladimir Velasco (954) 777-4366

### **Freeway Management Systems**

#### **Districtwide ITS Operations Support Services Contract (231654-7-82-01 231654-7-82-02, 231654-8-82-01)**

This project is for the management and operations of the Broward County and Palm Beach SMART SunGuide TMC. This project includes operation of the I-95/I-595/I-75 Districtwide intelligent transportation systems (ITS) network on a 24-hour/7-day a week schedule, dispatching the Broward, Palm Beach, Martin, St. Lucie, and Indian River Counties' Road Rangers, and coordination on operational issues with Districts One and Six, and the Florida's Turnpike Enterprise for the interim traffic management system project, I595 Express, I95 Express, and SmarTraveler. This contract was awarded to AECOM after completion of the Invitation to Negotiate process. Services began May 7, 2010.

Approx. Completion: May 2015

Contact: Daniel Smith (954) 847-2633

#### **Districtwide ITS Systems Software Support Services (416259-1-32-01)**

This project provides software support services for the District Four ITS. This project includes a dedicated full-time Database Administrator (DBA)/Programmer to support ITS projects throughout the District including Broward, Palm Beach, Martin, St. Lucie, and Indian River Counties. Currently the DBA/Programmer is based at the Broward SMART SunGuide TMC and responds 24-hour/7-days a week to all software/database concerns. This contract was awarded to IBI Group in June 2011.

Approx. Completion: June 2016

Contact: Dong Chen (954) 857-2796

#### **District Four ITS Maintenance (406795-4-72-01, 429686-1-72-01)**

This project is for the maintenance of the ITS and arterial management system devices in District Four, primarily for Broward County, including DMSs, CCTV cameras, vehicle detections system (VDS), fiber optic cable, and all other ITS devices deployed. The project will include the maintenance services necessary to maintain complete functionality and operational status, preventive/routine maintenance, diagnostic work, and major/minor repairs/replacements. This contract was awarded to Eland Engineering with a Notice to Proceed (NTP) in June 2014.

Approx. Completion: June 2019

Contact: Anthony Mendoza (954) 847-2798

#### **District Four Palm Beach and Northern Three Counties ITS Maintenance (416255-3-72-01, 416255-3-88-01)**

This project is for the maintenance of the ITS devices in District Four, primarily for Palm Beach, Martin, Saint Lucie, and Indian River Counties, including DMSs, CCTV cameras, VDS, fiber optic cable, and all other ITS devices deployed. The project will include the maintenance services necessary to maintain complete functionality and operational status, preventive/routine maintenance, diagnostic work, and major/minor repairs/replacements. This contract was awarded to Telvent with an NTP in June 2014.

Approx. Completion: June 2019

Contact: Anthony Mendoza (954) 847-2798

#### **Districtwide ITS General Consultant (4155291-32-01)**

This project provides District Four with a broad-range general consultant service allowing support to the District on an as-needed basis. The project also provides a full-time person on-site at the SMART SunGuide TMC. The contract was awarded to Eland Engineering.

Approx. Completion: May 2018

Contact: Dong Chen (954) 847-2796



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### ***Incident Management***

#### **I-95 Severe Incident Response Vehicle (422332 2 82 01 & 422333 1 82 01)**

This project provides four Severe Incident Response Vehicles (SIRV) and SIRV operators to respond to Level 2 and 3 incidents on the interstates in Broward County and Palm Beach County. The SIRV are dispatched from the Broward County SMART SunGuide TMC. Once on scene, SIRV becomes the Incident Commander for FDOT activities. They are used as other agencies' point of contact for anything needed from FDOT and provide coordination among responders. Two SIRV respond to incidents in Broward County and two SIRV respond to incidents in Palm Beach County. The contract was awarded to AECOM Technical Services, Inc. on June 20, 2011. Services began in January 2011 and end September 30, 2016.

Approx. Completion: September 30, 2016

Contact: Nicole Forest (954) 847-2631

#### **Broward County I-95/595/75 Road Rangers Service Patrol 231723 4 72 01 & 231723 4 72 02)**

This project provides Road Rangers to patrol the Interstates and help stranded motorists, and assist law enforcement with incident management.

Approx. Completion: Contract ends August 31, 2015

Contact: Nicole Forest (954) 847-2631

#### **Palm Beach County I-95 Road Rangers Service Patrol (231924-3-72-01)**

This project provides Road Rangers to patrol the Interstates and help stranded motorists, and assist law enforcement with incident management. A new contract was awarded to Anchor Towing and services began on February 1, 2011.

Approx. Completion: Contract ends January 31, 2016

Contact: Nicole Forest (954) 847-2631

#### **Treasure Coast Road Ranger Service Patrol (412495-2-72-01)**

This project provides Road Rangers along I-95 through the Treasure Coast, which is comprised of Martin, St. Lucie, and Indian River Counties. Road Rangers provide roadside assistance to stranded motorists and assist law enforcement with incident management. A new contract was executed on September 13, 2013, with In-A-Flash-Towing, Inc. This is a three-year contract. Approx. Completion: Contract ends September 12, 2016

Contact: Nicole Forest (954) 847-2631

#### **Rapid Incident Scene Clearance (4241881-1-82-01)**

In October 2008, a rapid incident scene clearance (RISC) contract was advertised for District Four. This is an open contract for three years for qualified vendors to provide clearance and recovery services for major incidents requiring specialized heavy-duty recovery equipment. Bonuses are paid for clearing incidents in less than 90 minutes as stated in the Statewide Open Roads Policy. RISC activations began in July 2009. District Four currently has five RISC vendors under contract. The current contracts were extended through October 2015.

Approx. Completion: October 2015

Contact: Nicole Forest (954) 847-2631

## District Five

### ***Freeway Management Systems***

#### **I-4 Dynamic Message Sign Replacement Project Phase II (432149-1-92-01)**

This project will replace 15 DMSs with new full color DMSs, including structures and foundations, on I-4, I-95, and SR 528 at various locations in Orange, Seminole, Volusia, Brevard, and Osceola Counties. This contract was advertised in December 2013. Selection



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committee approved design-build low bid contractor on March 3<sup>rd</sup>, 2014. Executed/Notice to Proceed (NTP) May 2014

Approx. Completion: May 2015

Contact: Ron Miller (386) 943-5370

### **I-75 from SR 44 to North of US 27 (428213-1-52-01)**

District Five is advertising a design/build low bid project to add fiber, DMSs, CCTV cameras, and a microwave vehicle detection system. The project was advertised in January 2014. Re-advertised April 2014; Contract Executed July 2014; NTP August 2014

Approx. Completion: December 2015

Contact: James Miller (386) 943-5322

### **I-75 from North of US 27 to Alachua County Line (428213-2-32-01)**

District Five will advertise for design consultant services to design an ITS communications system on I-75 within this corridor. The project was advertised in December 2013. Construction is funded for fiscal year (FY) 2015. Selection Committee approved a design firm on February 24<sup>th</sup>, 2014. Executed June 2014. Sixty percent design plans in August 2014; 90 percent in September 2014; production in April 2015; and letting in June 2015.

Contact: James Miller (386) 943-5322

### **Arterial Management Systems**

#### **US 92 from Tomoka to East of Beach St. (434712-1-52-01)**

District Five will advertise a task work order-based contract to add BlueToad devices and controller within this corridor. The project is to be advertised in January 2015. Sixty percent plans in June 2014; 90 percent in August 2014; production in December 2014; and letting in February 2015. Awarded to Project PowerCore  
Contact: Manny Rodriguez (386) 943-5322

#### **SR 46 Sanford Amtrak Station From International Pkwy to Airport Blvd (434713-1-52-01)**

District Five will advertise a task work order-based contract to add BlueToad devices and controller within this corridor. The project is to be advertised in January/February 2015. Ninety percent plans in July 2014; production in November 2014; mail to Tallahassee December 1, 2014; and letting in January 2015. Awarded to Highway Safety Devices

Contact: Manny Rodriguez (386) 943-5322

#### **Active Arterial Management 1, 2 and 3 (435443-1-52-01, 435443-2, & 435443-3)**

District Five will advertise a contract to add devices within the arterial intersections to improve flow and functionality of the corridor based on events. The projects are multi-year funded FYs 2015, 2016, and 2017.

Phase I: Plans completed October 2014; production November 2014; mail to Tallahassee December 1, 2014; and letting January 2015.

Phase II: Working on design scope and hours. PE executed 2/3/2015, Production 12/1/2015, Letting 3/1/2015.

Contact: Mark Herring (386) 943-5165

#### **Greater Orlando Transit Signal Priority (435446-1-52-01, 435446-1-52-02, & 435446-1-52-03)**

District Five will advertise a contract to add devices within the arterial intersections to improve transit flow of the corridor. The District will coordinate with the City of Orlando, LYNX, and local agencies to prioritize the corridors. The projects are programmed in FYs 2015, 2016, and 2017.

Phase I: currently under design; production in February 2015; and letting in April 2015.

Phase II: Working on design scope and hours. PE executed 2/27/2015, Production 11/3/2015, Letting 1/28/2016.

Contact: Mark Herring (386) 943-5165



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### **RTMC (437100-1-32/52-01)**

District Five advertised a design consultant for a new design bid build RTMC located at the East Bound I-4 Rest Area. Design PE execution and NTP is anticipated Mid June 2015. Construction funding is programmed in FY 2017.

Contact: Tushar Patel (386) 943-5315

### ***Incident Management***

#### **I-4 Road Rangers—Motorist Assistance Program (410957-1-72-04)**

The limits of service are from the Osceola/Polk County line to I-95 in Volusia County. There are a total of 13 Road Ranger personnel and one Road Ranger supervisor. There are 12 Road Ranger vehicles. Operational hours and days are Monday through Friday, 6:00 to 12:00 a.m. and Saturday and Sunday, 6:00 to 3:30 a.m.

Contact: Ron Miller (386) 943-5370

## District Six

### ***Advanced Traffic Management Systems***

#### **Replacement of Signs and DMS I 95 Express Lanes Phase 1 (417740)**

This is a low bid design-build request for a proposal that will replace all signs and dynamic message signs (DMS) for I-95 Express Lanes Phase 1 in order to assist with enforcement and three-destination messaging. One structure will be new. All remaining existing structures will be reused. This project will be awarded in October 2015. The budget for this project is \$3,295,000.00.

Contract End Date: February 2017

Contact: Alexandra Lopez (305) 640-7331

#### **Terremark Network Access Point (NAP) Services (252058)**

The purpose of this contract is to obtain communications cross-connection and power-up services for sharing closed-circuit television (CCTV) camera video coverage feeds with public and private partners, and to also support the

SunGuide® Transportation Management Center (TMC) as an emergency back-up data and communications hub facility. This contract was awarded in June 2015. The total budget for this contract for a two-year period is \$116,160.

Contract End Date: July 2017

Contact: Sergio Bravo (305) 640-7344

#### **Adaptive DMS Parts Procurement Contract (252058)**

The purpose of this Invitation to Bid (ITB) contract is to acquire a vendor to furnish parts on an as-needed basis for DMSs manufactured by Adaptive. This contract was awarded in March 2013. The budgetary ceiling for this contract is \$150,000.00.

Contract End Date: February 2016

Contact: Sergio Bravo (305) 640-7344

#### **Daktronics DMS Parts Procurement Contract (252058)**

The purpose of this ITB contract is to acquire a vendor to furnish parts on an as-needed basis for DMSs manufactured by Daktronics. This contract was awarded in June 2013. The budgetary ceiling for this contract is \$500,000.00.

Contract End Date: May 2016

Contact: Sergio Bravo (305) 640-7344

#### **ADDCO DMS Parts Procurement Contract (252058)**

The purpose of this ITB contract is to acquire a vendor to furnish parts on an as-needed basis for DMSs manufactured by ADDCO. This contract was awarded in June 2013. The budgetary ceiling for this contract is \$150,000.00.

Contract End Date: May 2016

Contact: Sergio Bravo (305) 640-7344





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### **Vultron (American Technical Manufacturer ATF) DMS Parts Procurement Contract (252058)**

The purpose of this ITB contract is to acquire a vendor to furnish parts on an as-needed basis for DMSs manufactured by Vultron (ATF). This contract was awarded in June 2013. The budgetary ceiling for this contract is \$150,000.00.

Contract End Date: May 2016

Contact: Sergio Bravo (305) 640-7344

### **SunGuide TMC Control Room Retrofit (434834)**

The purpose of this contract is to retrofit the existing TMC control room. This contract will feature design and construction plans; two-staged transition plan to accomplish smooth transition with minimum disruptions; permits; furnish and install new workstations consoles and chairs; workstation computer equipment; Statewide Law Enforcement Radio System radios; carpet tiles; task lighting; one additional row of seven video wall cubes; modification of existing fire sprinkler protection; test and balance of heating, ventilating, and air conditioning systems; spare parts; testing; training; and warranty services. This contract was awarded in November 2014, in the amount of \$1.9 million.

Contract End Date: December 2015

Contact: Alexandra Lopez (305) 640-7331

### **District Wide Maintenance & Repair Services Contract (250102)**

The purpose of this contract is to provide preventive maintenance, diagnostic, and repair services to the intelligent transportation systems (ITS) equipment and the SunGuide TMC. Performance ratings are used to assess contractor performance under this contract. The budgetary ceiling for the first three years is \$8.3 million. This contract was renewed for three more years. The budgetary ceiling for the length of the contract (original plus renewal) is \$16.5 million.

Contract End Date: July 2017

Contact: Derole Duncan (305) 640-7308

### **District Wide ITS Operations Support Services Contract (250115 and 417740)**

The purpose of this contract is to assist the District with the management and operations of the FDOT District 6 ITS. The consultant is responsible for providing services to the District, such as, but not limited to: monitoring traffic conditions on Miami-Dade and Monroe Counties' roadways via CCTV cameras and vehicle detection systems, disseminating traveler information via DMS and statewide 511 system, operating the I-95 Express Lanes and ramp signaling systems, dispatching Road Ranger Service Patrol vehicles to crash scenes, providing information technology support, and traffic operations and ITS engineering support services. The services are categorized into seven major areas: SunGuide TMC Operations Services, Contract Management Services, TMC Information Technology Services, Miscellaneous TMC Operations Support Services, ITS Public Outreach Services, ITS Utility Locates Services, and Traffic Operations and ITS Engineering Services. Performance ratings are used to assess consultant performance under this contract. The current contract budget is \$44.8 million.

Contract End Date: December 2015

Contact: Javier Rodriguez (305) 640-7307

### **District Wide ITS Technical Consultant Contract (250115)**

The contract will assist the Traffic Operations and ITS staff with the preparation of feasibility studies, Requests for Proposals and, as needed, on-call or miscellaneous ITS engineering services. The current contract budget is \$1.1 million.

Contract End Date: February 2018

Contact: Sergio Bravo (305) 640-7344



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### **Traffic Engineering/ITS Support Contract (414754)**

This contract will assist the ITS staff by providing Florida International University Engineering staff and students for traffic engineering and ITS technical support services on ITS projects.

Contract End Date: January 2023

Contact: Rodney Carrero-Vila (305) 640-7346

### **District Wide Traffic Operations Studies (406521)**

This contract will assist with systems engineering; development of ITS contract's procurement documents; performing independent assessment of the District's ITS Program; support for the District's ITS Fiber Management system; auditing the District's inventory; serving as FDOT's ITS liaison on design-build projects prior and during advertisement and after project award; providing technical support to other District's offices. The current contract budget is \$300,000.00.

Contract End Date: May 2020

Contact: Javier Rodriguez (305) 640-7307

### **Incident Management**

#### **Incident Management Services (250113 & 415456)**

Provide incident management services along SR 826, I-195, I-395, I-75 and I-95 (including express lanes) to assist FDOT and the Florida Highway Patrol with clearing traffic crashes, removing disabled vehicles and debris from the roadways, and keeping travel lanes open to traffic. The current contract budget is \$23.0 million.

Contract End Date: June 2018

Contact: Javier Rodriguez (305) 640-7307

### **Automated Vehicle Location (252058)**

Provide automated vehicle location system and support services. The current contract budget is \$350,000.

Contract End Date: June 2018

Contact: Rodney Carrero-Vila (305) 640-7346

## District Seven

### **Freeway Management Systems**

#### **Tampa Bay SunGuide® Freeway Management System, Hillsborough County (434026-1)**

This project is on I-75 (SR 93a) from north of I-275 (SR 93) to the Manatee County Line. This \$4,000,000 intelligent transportation systems (ITS) project will provide a new system of devices that will include installing a fiber-optic backbone, closed-circuit television (CCTV) cameras, microwave vehicle detector sensors (MVDS), road weather information system (RWIS), arterial dynamic message signs (ADMS), and dynamic message signs (DMS).

Contract Let Date: July 2016

Contact: Greg Reynolds (813-615-8612)

#### **Tampa Bay SunGuide Freeway Management System, Hillsborough County (434025-1)**

This project is on I-75 (SR 93a) from the Manatee County Line to south of Big Bend Road. This \$7,000,000 ITS project will provide a new system of devices that will include installing a hub to support the fiber-optic backbone, CCTV cameras, MVDS, RWIS, ADMS, and DMSs.

Contract Let Date: July 2017

Contact: Greg Reynolds (813) 615-8612

#### **Tampa Bay SunGuide Freeway Management System, Hillsborough County (434027-1)**

This project is on I-75 (SR 93a) from south of Big Bend Road to south of Bloomingdale/Progress Boulevard. This \$8,000,000 ITS project will provide a new system of devices that will include installing a hub to support the fiber-



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optic backbone, CCTV cameras, MVDS, RWIS, ADMS, and DMSs.

Contract Let Date: July 2018

Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Hillsborough County (410909-2)**

This project is on I-75 (SR 93a) from Fowler Avenue to north of Bruce B. Downs Boulevard. This \$2,000,000 ITS project will provide a new system of devices that will include installing a fiber-optic backbone, CCTV cameras (to include dual-mount lowering device cameras), DMSs, ADMSs using wireless connections, and MVDS. The design consultant is Parsons Brinckerhoff. The construction contractor is Prince Construction. This project goes with projects 408459-1, 408459-2, 408459-3, and 410909-9.

Anticipated Completion Date: December 2015

Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Hillsborough County (410909-9)**

This project is on I-75 (SR 93a) from North of Bruce B. Downs Boulevard to SR 56 (Exit 275). This \$2,000,000 ITS design-build/system manager project will provide a new system of devices that will include installing a fiber-optic backbone, CCTV cameras, DMSs, and MVDS. The system manager/design consultant is URS. The construction contractor is Prince Construction. This project goes with projects 408459-1, 408459-2, 408459-3, and 410909-2.

Anticipated Completion Date: December 2015

Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Pasco County (258736-2)**

This project is on I-75 (SR 93a) from north of SR/CR 54 to north of SR 52. This \$3,000,000 ITS design-build project will provide a new system of devices that will include installing a hub to support the fiber-optic backbone, CCTV cameras, highway utility building, MVDS, DMSs,

ADMSs, HAR, and RWIS. The design-build team consists of Atkins and Prince Contracting.

Anticipated Completion Date: December 2017

Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Hernando County (411014-2)**

This project is on I-75 (SR 93a) from north of SR 52 to the Pasco County line. This \$2,000,000 ITS design-build project will provide a new system of devices that will include installing a fiber-optic backbone, CCTV cameras, MVDS, DMSs, and RWIS. The design-build team consists of Granite Construction and Parsons Transportation Group.

Anticipated Completion Date: December 2016

Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Hernando County (411011-3)**

This project is on I-75 (SR 93a) from the Pasco County line to south of US 98/SR 50/Cortez Boulevard. This \$1,500,000 ITS design-build project will provide a new system of devices that will include installing a fiber-optic backbone, CCTV cameras, MVDS, DMSs, ADMSs, and RWIS. The design-build team consists of Middlesex Corporation and American Consulting Engineers.

Contract Let Date: January 2014

Anticipated Completion Date: December 2017

Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Hernando County (411011-4)**

This project is on I-75 (SR 93a) from south of US 98/SR 50/Cortez Boulevard to north of US 98/SR 50/Cortez Boulevard. This \$2,000,000 ITS design-build project will provide a new system of devices that will include installing a fiber-optic backbone, CCTV cameras, MVDS, DMSs, ADMSs, and RWIS. This project goes with 411012-2 and 411011-3. Contract execution progressing.

Contract Let Date: January 2015



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Anticipated Completion Date: December 2017  
Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Hernando County (411012-2)**

This project is on I-75 (SR 93a) from north of US 98/SR 50/Cortez Boulevard to the Sumter County line. This \$1,000,000 ITS design-build project will provide a new system of devices that will include installing a fiber-optic backbone, CCTV cameras, MVDS, DMSs, ADMSSs, and RWIS. This project goes with 411011-4. The design consultant is American Consulting Engineers. Contract execution progressing.

Contract Let Date: January 2015

Anticipated Completion Date: December 2017

Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Hillsborough County (258398-3/5)**

This project is on I-275 (SR 93) from SR 60 (Memorial Highway) to the Hillsborough River. This \$3,500,000 ITS design-build project will provide a new system of devices that will include installing a fiber-optic backbone, CCTV cameras, MVDS, DMSs, ADMSSs, HAR, and RWIS. The design-build team consists of Skanska-Ajax Paving and Parsons Brinckerhoff.

Anticipated Completion Date: December 2016

Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Pinellas County (410755-2)**

This project is on the SR 679 Bayway Bridge "E" Intracoastal Waterway (Bridge to Tierra Verde). This \$750,000 ITS design-build project will facilitate the addition of CCTV cameras at each end of the bridge. This project is not funded at this time.

Anticipated Let Date: July 2019

Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Pinellas County (424507-3)**

This project is on SR 60/Courtney Campbell Causeway from McMullen Booth Road to the Hillsborough County line. This \$4,900,000 ITS design-build project will provide a new system of devices that will include installing a fiber-optic backbone, CCTV cameras, MVDS, RWIS, and street lighting. This project goes with 424507-2.

Anticipated Let Date: June 2017

Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Hillsborough County (424507-2)**

This project is on SR 60/Courtney Campbell Causeway from the Pinellas County line to east of Rocky Point Drive. This \$7,400,000 ITS design-build project will provide a new system of devices that will include installing a fiber-optic backbone, CCTV cameras, MVDS, and street lighting. This project goes with 424507-3.

Anticipated Let Date: June 2017

Contact: Greg Reynolds (813) 615-8612

### **Tampa Bay SunGuide Freeway Management System, Hillsborough County (254677-2)**

This project is at the Port of Tampa at 22<sup>nd</sup> Street. This ITS project will be funded under the Design-Build Push Button III Contract at an estimated cost of \$325,000 and will add ITS infrastructure, including installation of a fiber-optic lateral line, CCTV cameras, MVDS, and one ADMS.

Anticipated Let Date: December 2015

Contact: Greg Reynolds (813) 615-8612

### **Incident Management**

#### **Road Rangers Service Patrol (408206-1-8B-01)**

The Road Rangers service patrol was initially established in October 2000 to provide "free" highway assistance to motorists and assistance in clearing freeway incidents. Since that time, the mission evolved to "incident response."



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Road Rangers still assist motorists, but only as a secondary function. The District Seven Road Ranger service patrols cover Hernando (partial), Hillsborough, Pasco, and Pinellas Counties, operate 24/7/365, and average more than 6,000 incidents per month. In addition, District Seven manages the Road Rangers service patrol on I-4 in Polk County, the Sunshine Skyway Bridge corridor and the I-4-LeeRoy Selmon Expressway Connector corridor. In addition, a tow truck is assigned to current construction areas for added safety. Road Rangers' primary duties are to respond to incidents of all types, provide traffic control and assist law enforcement and other first responder personnel in the quick clearance of traffic incidents/accidents to restore safe, smooth and efficient operation of our roadway system, remove disabled vehicles from the roadway and clear non-hazardous debris. Road Rangers also provide essential assistance during storm events and other emergencies.

Contact: Romona Burke (813) 615-8613

### **Rapid Incident Scene Clearance (424209-1-82-01)**

As an aid to the State of Florida's Open Roads Policy, which provides for the quick clearance of roads for safety and mobility, Florida's Rapid Incident Scene Clearance (RISC) initiative is an innovative program offering cash incentives to towing and recovery companies that quickly and adequately respond to qualified incidents on Florida's interstate highways. At the request of the Tampa International Airport Police Department, we are currently providing RISC services for the George Bean Parkway during construction efforts where access is extremely limited. District Seven began the RISC program in January 2009. Currently, there are four contractors in operation in the District. Since inception, there have been 162 RISC-qualified incidents, 159 of which have been cleared within the 90-minute period. The District continues to solicit additional interested

companies for this program and to work closely with the Florida Highway Patrol and other agencies to improve RISC response.

Contact: Romona Burke (813) 615-8613

## Florida's Turnpike Enterprise

### **Advanced Traffic Management Systems**

#### **Homestead Extension of Florida's Turnpike (HEFT) Reconstruction (423372-2, 415488-1, 406096-1, 415051-1, 427146-1, 415051-4)**

This project includes installation of express lanes and multiple roadway widening sections broken into six separate projects – five design/build projects and one design/bid/build project. The project limits are from SW 288<sup>th</sup> Street to SR 836 and include a complete reconstruction of the intelligent transportation systems (ITS) facilities throughout the project. The new system will include fiber optic cable, closed-circuit television (CCTV) cameras, dynamic message signs (DMS), and vehicle detection devices. The existing system will be maintained throughout construction until the new devices can be brought on-line. Additional ITS devices, including detectors, DMSs, and CCTV cameras, will be used to monitor and verify traffic conditions on new express lanes that are being constructed within the corridor. All of the projects begin construction activities during fiscal year (FY) 2014 and FY 2015.

Approx. Completion: 423372-2 (2018); 415488-1 (2016); 406096-1 (2017); 415051-1 (2018); 427146-1 (2017); 415051-4 (2018)

Contact: John Easterling (954) 934-1620

#### **Veterans Expressway (SR 589) Reconstruction (406151-1-52-01, 406152-1-52-01, 431275-1-52-01)**

This project includes installation of express lanes and multiple roadway widening sections broken into separate design/build and design/bid/build projects. The project limits are from Memorial Highway to Van Dyke and





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include a complete reconstruction of the ITS facilities through the project. The new system will include fiber optic cable, CCTV cameras, DMSs, and vehicle detection devices. The existing system will be maintained through construction until the new devices can be brought on-line. Additional ITS devices, including detectors, DMSs, and CCTV cameras, will be used to monitor and verify traffic conditions within new express lanes that are being constructed within the corridor. The first three contracts began construction activities during early 2013.

Approx. Completion: MP 2.7-5.4 406151-1 (2016); MP 5.4-7.2 406152-1 (2016); MP 7.2-9.0 431275-1 (2016); MP 9.0-10.7 439350-1; MP 10.8-14.2 429350-4 (2018); Express Lanes MP 2.9-10.4 435609-1 (2017)

Contact: John Easterling (954) 934-1620

### **Beachline Expressway (SR 528) West Reconstruction (406090-5)**

This project includes installation of express lanes, auxiliary lanes, and roadway widening along the western four miles of the Beachline Expressway. The project limits are from I-4 to the Turnpike interchange and may include a partial reconstruction of the ITS facilities through the project. The new system will include CCTV cameras, DMSs, and vehicle detection devices. It is anticipated that the majority of the existing system, including fiber optic cable, can be maintained throughout construction and that new devices will be brought on-line as the project moves forward. Additional ITS devices, including detectors, DMSs, and CCTV cameras, will be used to monitor and verify traffic conditions on new express lanes that are being constructed within the corridor. Construction is anticipated to begin during June 2015.

Approx. Completion: 2019

Contact: John Easterling (954) 934-1620

### **Road Weather Information System Installation (435623-1-52-01)**

This project includes installation of road weather information system (RWIS) sensors at 12 new locations along the Turnpike Mainline (SR-91) from milepost 208 to milepost 242. The project also includes retrofit of three existing RWIS locations along the Sawgrass Expressway, and will include precipitation, wind, and visibility sensors as well as integration into a web-based user interface, facilitating the setup of various system alerts and notifications when conditions warrant. This system will provide the ability for Florida's Turnpike Enterprise (FTE) transportation management center (TMC) operators to monitor changing climatic conditions along the Turnpike facilities, which benefits have been highlighted during recent wildfires and frequent summer thunderstorms that resulted in reduced visibility in these rural regions of the state.

Approx. Completion: Spring 2015

Contact: John Easterling (954) 934-1620

### **Closed-Circuit Television Replacement Projects (190774-1-52-71 & 190774-1-52-72)**

Two maintenance-let replacement projects cover the replacement of CCTV cameras along the Turnpike Mainline from milepost 65 to milepost 188. These projects, bid through the Maintenance Office and administered through Traffic Operations, will replace the CCTV dome on existing support structures with the recently approved AXIS Q6045-E CCTV, which was added to the Approved Product List as of July 17, 2014. The new camera units will provide a power over Ethernet connection to the Turnpike's fiber network, and high-definition quality video at 1080p resolution.

Completed: Spring 2015

Contact: John Easterling (954) 934-1620

### **Closed-Circuit Television Replacement Projects Part 2 (413913-3-53-01, 413913-4-53-01, 413913-5-53-01, & 413913-6-53-01)**

Four maintenance-let replacement projects cover replacement of CCTV cameras along the



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Turnpike Mainline from milepost 188 to milepost 309, SR-528 (Beachline West), SR-570 (Polk Parkway), SR-429 (Western Beltway), SR-568 (Veterans Expressway Spur), SR-589 (Veterans Expressway & Suncoast Parkway), and portions of the Turnpike Mainline in Broward and Miami-Dade Counties. These projects, bid through the Maintenance Office and administered through Traffic Operations, will replace the CCTV dome on existing support structures with the recently approved AXIS Q6045-E CCTV, which was added to the Approved Product List as of July 17, 2014. The new camera units will provide a power over Ethernet connection to the Turnpike's fiber network, and high-definition quality video at 1080p resolution.

Approx. Completion: Fall 2015

Contact: John Easterling (954) 934-1620

### **Wrong-Way Driving Pilot Project**

In response to what has become a national issue, FTE is continuing deployment of its Wrong-Way Driving Pilot Project. FTE engineers have coordinated installation of enhanced static signage and mainline wrong-way detection devices as well as enhanced, highlighted signs at selected ramp locations along the Sawgrass and the HEFT. In all, 17 ramp locations covering almost 30 miles of the system. Recently, relocation of selected highlighted signs was completed. Each deployment is being evaluated for effectiveness and may be considered for additional deployment.

Approx. Completion: Evaluation On-going

Contact: John Easterling (954) 934-1620

### **Freeway Management Systems**

#### **Traffic Management Centers (190717-1-52-03/04/05/08)**

The Florida's Turnpike Pompano and Turkey Lake TMCs provide 24-hour/7-days a week staffing coverage. Ongoing incident management is accomplished utilizing 555 CCTV

cameras; 15 highway advisory radio stations; 15 Citizen Band Radio Alert System stations; 58 DMSs along the Turnpike's Mainline and connecting arterials; 21 DMSs on the Sawgrass Expressway and its connecting arterials; seven DMSs on SR 417 (Seminole Expressway and Southern Connector Extension); two DMSs on SR 429 (Western Beltway); three DMSs on the Beachline Expressway (SR 528); four DMSs on SR 570 (Polk Parkway); and six DMSs on SR 589 (Veterans Expressway/Suncoast Parkway). TMC team members work closely with Florida Highway Patrol (FHP) Troop K and other agencies to detect, verify, and mitigate incidents. TMC operators, under the supervision of advanced traveler information system team leaders at each facility, coordinate State Farm Safety Patrol/Road Ranger personnel by dispatching them on the Turnpike Mainline, HEFT, Sawgrass Expressway (Toll 869), and Veterans Expressway (Toll 589) through the 800 MHz Statewide Law Enforcement Radio System (SLERS), an automatic vehicle locator (AVL) system and direct-connect communications. Florida's Turnpike Enterprise (FTE) is also an integral part of the Florida 511 Statewide Traveler Information System. The TMC, serving as the 24-hour communications hub for the Turnpike, performs essential duties to support FTE Rapid Incident Scene Clearance (RISC) and Specialty Towing and Roadside Repair programs (STARR).

Approx. Completion: Operations Ongoing

Contact: John Easterling (954) 934-1620 and Jim Hilbert (407) 264-3312

### **Traffic Management FHP Lake Worth Dispatch Center Operations**

FTE TMC has committed staffing at the FHP Troop K, Lake Worth Dispatch Center, with two-plus full-time FHP dispatch TMC team positions, thus improving service to Turnpike customers. The FHP dispatch center is staffed by TMC team members over two shifts: from 6 to 10:30 p.m., seven days a week. FHP Dispatch TMC Team



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members work in conjunction with the Turnpike TMC and facilitate sharing of incident status information between FHP and the TMC. TMC staff members work closely with FHP dispatchers in tracking performance measures of the STARR program. The coordination between FHP dispatch command, TMC team members, and FHP dispatchers and troopers enables the TMC to assume a more proactive role in incident management along its roadways in terms of emergency verification and response, dissemination of traveler information, and other agency notifications. This accurate and timely exchange of information has resulted in the enhanced operation of the Turnpike's ITS devices and more efficient resource sharing. The Turnpike TMC has two assigned console positions responsible for managing FHP's video wall control.

Approx. Completion: On-going

Contact: John Easterling (954) 934-1620 and Jim Hilbert (407) 264-3312

### **Southern Turnpike ITS Maintenance Contract (413351 3 72 01)**

This project provides funding for the maintenance costs for the Turnpike ITS field device systems for the Homestead Extension of Florida's Turnpike Milepost (MP) 0.0 to 47.0; Florida's Turnpike MP 0.0X to 193.0, and the Sawgrass Expressway MP 0.0 to 22.5, including ramps, feeder roads, connector roads, and Turnpike system interchanges. The work specified in the contract consists of providing labor, materials, equipment, and incidentals necessary to perform routine/periodic repairs, replacements, and preventive maintenance of the ITS, with maintenance services commencing on March 1, 2013. Recently, this contract was extended an additional year, moving completion to 2015.

Approx. Completion: Feb 2016

Contact: Eric Gordin (407) 264-3316

### **Northern Turnpike ITS Maintenance Contract (413351 2 72 01)**

This project provides funding for the maintenance costs for the Turnpike ITS field device systems for Florida's Turnpike Milepost (MP) 193.0 to 309; SR-408 East-West Expressway MP 0 to 1; SR 417 Seminole Expressway MP 38 to 55; SR 528 Beachline Expressway MP 0 to 8; SR 429 Western Beltway MP 0 to 11; SR 417 Southern Connector Extension MP 0 to 6; SR 570 Polk Parkway; SR 589 Veterans Expressway; SR 589 Suncoast Parkway; and SR 568 Veterans Expressway Spur including ramps, feeder roads, connector roads, and Turnpike system interchanges. The work specified in the contract consists of providing labor, materials, equipment, and incidentals necessary to perform routine/periodic repairs, replacements, and preventive maintenance of the ITS, with maintenance services commencing on March 1, 2013. Recently, this contract was extended an additional year, moving completion to 2016.

Approx. Completion: Feb 2016

Contact: Eric Gordin (407) 264-3316

### **Incident Management**

#### **Turnpike Enterprise State Farm Safety Patrol (part of FDOT Road Ranger Program) (411451-1-78-02)**

FTE's TMC dispatches State Farm Safety Patrol operators on the Turnpike Mainline, Homestead Extension of Florida's Turnpike, and the Sawgrass Expressway (Toll 869). Safety Patrol Road Rangers are also dispatched on the Seminole Expressway/Southern Connector Extension (Toll 417), Beachline Expressway (Toll 528), Western Beltway (Toll 429), and the Veterans Expressway (Toll 589). All State Farm Safety Patrol Road Ranger service is free. With a monthly total of more than 7,000 patrol hours



## FDOT ITS Program District Progress Reports



August 2015

and 12,000+ calls, coverage ranges from 6 a.m. to 10 p.m., or 24/7 depending on the location along Florida's Turnpike system. 24/7 coverage is now maintained within the Miami-Dade, Broward, Palm Beach, and Orange Counties urban limits of Florida's Turnpike. The TMC dispatches units via the SLERS, 800 MHz (primary mode of communication) and Direct Connect (back-up communication) systems; the units are tracked via an AVL system that is integrated into the SunGuide® software.

A new five-year contract was awarded on February 15, 2013, to Florida Turnpike Services for coverage on the Turnpike system.

Completion: On-going

Contact: Jim Hilbert (407) 264-3312

### **Specialty Turnpike Towing and Roadside Repair**

In June 2009, FTE implemented an innovative program to address its customers' towing and repair needs. Under this unique program, the Turnpike is segregated into ten coverage sectors, designated by mile posts with towing and roadside repair contracts awarded to seven area contractors. The STARR contract is cost-neutral for FTE, and requires the tow contractors to respond to FHP-dispatched calls within 30 minutes or less in urban areas, and within 40 minutes in rural areas. These contracts are performance-based, requiring adherence to response times as noted in the contracts and provision of a high level of customer service and safety. Performance is measured and communicated to the contractors on a weekly basis, and each contractor is expected to meet their performance standards. New contracts, including two new sectors for the Veterans Expressway and Suncoast Parkway (Toll 589) in Hillsborough County and the ten sectors along the Turnpike Mainline, were advertised for a December 1, 2014, implementation using the RFP process. All contracts are one-year

agreements, with four possible one-year renewals.

Completion: On-going

Contact: Jim Hilbert (407) 264-3312

### **Rapid Incident Scene Clearance**

The innovative RISC heavy-duty towing and recovery program was originally developed and implemented by the FTE in 2004 to reduce the impact of major traffic incidents on the Turnpike and to help meet Florida's Open Roads Policy goal to clear the roadway in 90 minutes or less. The RISC program is a major component of the Traffic Incident Management Enhancements program. RISC is an incentive-based program that pays qualified participating tow companies monetary bonuses for meeting quick clearance goals. In order to participate in the program, towing and recovery companies must meet equipment and training standards developed to ensure the safe and efficient clearance of major incidents. Recovery contractors are required to respond within 60 minutes to an incident and open the travel lanes within 90 minutes. If the travel lanes are not open within 150 minutes, the contractor may be assessed liquidated damages. The TMC serves as the official timekeeper of RISC milestones, the primary contact for FHP, and the hub of traffic/incident management communications.

Completion: On-going

Contact: John Easterling (954) 934-1620 or Mike Washburn (954) 934-1621